

Model 3011

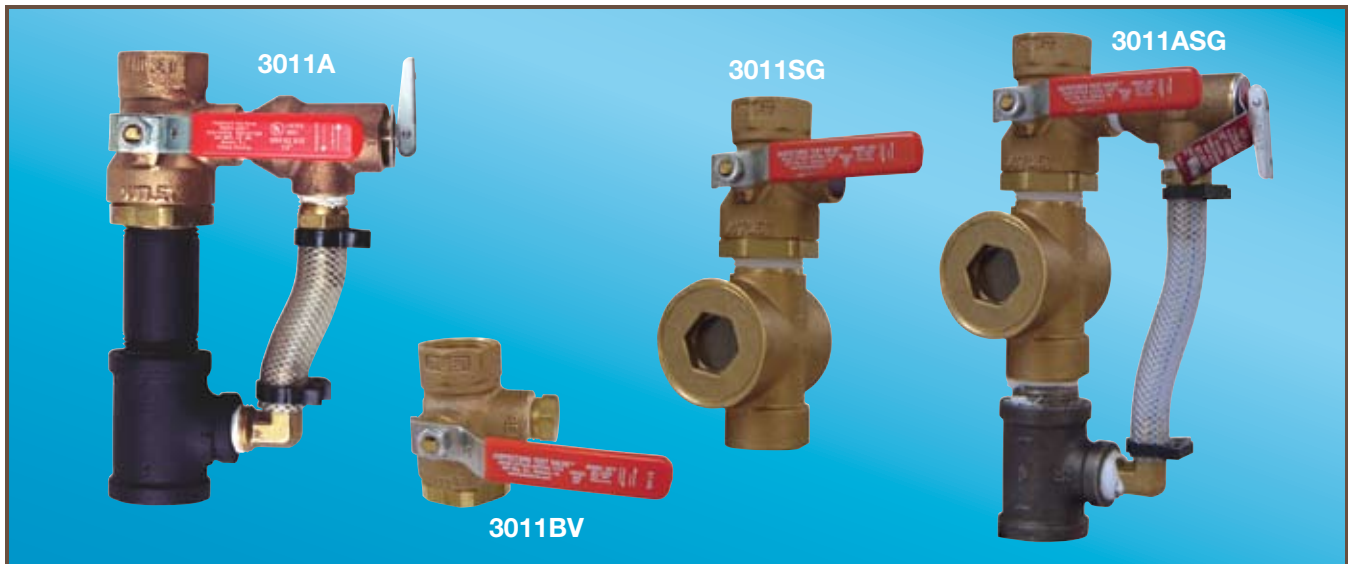


INSPECTOR'S TEST[®]

Remote Inspector's Test for Single Story and Other Applications
Including Systems Requiring Pressure Relief Valve



1"



- The AGF Manufacturing Inc. **Model 3011 INSPECTOR'S TEST[®]** family of valves are designed to perform the remote inspector's test function on single story and other applications with the benefit of locating the orifice indoors.
- The **Model 3011 INSPECTOR'S TEST[®]** is available in four different models:
 - **Model 3011BV** ball valve only
 - **Model 3011SG** ball valve with sight glass
 - **Model 3011A** ball valve with **Model 7000 Pressure Relief Valve** and drainage piping
 - **Model 3011ASG** ball valve with sight glass, **Model 7000 Pressure Relief Valve**, and drainage piping
- Available with test orifice sizes of $\frac{3}{8}$ " (2.8K), $\frac{7}{16}$ " (4.2K), $\frac{1}{2}$ " (5.6K), $\frac{17}{32}$ " (8.0K), and $\frac{5}{8}$ " (11.2K, ELO).
- The **Models 3011A** and **3011ASG** have the added feature of a **Model 7000 Pressure Relief Valve** with drainage piping designed to relieve excess system pressure caused by surges or temperature changes as well as solve the difficult problem of providing the relief valve with a drainage piping outlet.
- The **Models 3011A** and **3011ASG** comply with the requirements of NFPA-13 for the installation of a pressure relief valve on all gridded systems and downstream of all pressure reducing valves.
- The included UL/FM **Model 7000 Pressure Relief Valve** features a flushing handle and is rated at 175 PSI. Other pressure settings are also available. (see note below)
- To expedite system testing, the unit is shipped semi-assembled with relief valve and bypass drain ports plugged.

NOTE: It is important to note that the pressure rating of the relief valve indicates an operating range of pressure for both opening and closing of the valve. Standard relief valves are required to OPEN in a range of pressure between 90% and 105% of their rating. The valves are required to CLOSE at a pressure above 80% of that rating. The relief valve should be installed where it is easily accessible for maintenance. Care should be taken that the relief valve CANNOT be isolated from the system when the system is operational. A relief valve should NEVER have a shutoff valve or a plug downstream of its outlet.

Reliability, Versatility, Code Compatibility

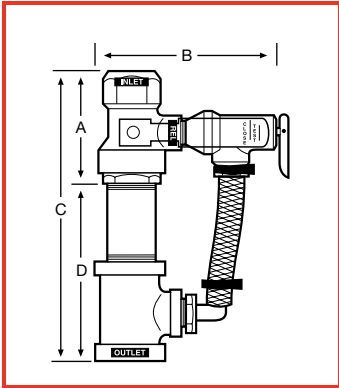


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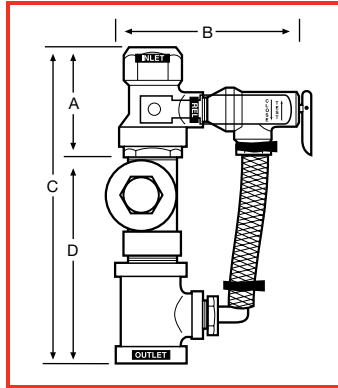
Model 3011

Model 3011 300 PSI Bronze Ball Valve, Available with Model 7000 Pressure Relief Valve Factory Rated at 175 PSI with other settings available

MODEL 3011A



MODEL 3011ASG

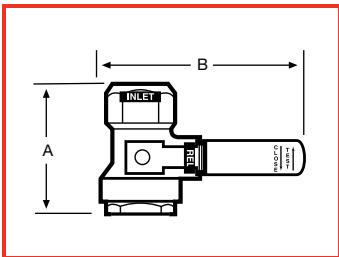


DIMENSIONS

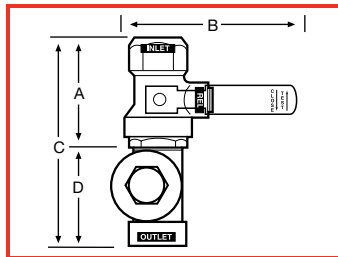
Orifice Size Available: 3/8", 7/16", 1/2", 17/32", ELO (5/8")

Model	A	B	C	D
3011A	3 1/16" (75 mm)	4 11/16" (118 mm)	7 7/8" (200 mm)	4 7/8" (124 mm)
3011ASG	3 1/16" (75 mm)	4 11/16" (118 mm)	9 5/16" (237 mm)	6 1/4" (159 mm)
3011BV	3 1/16" (75 mm)	4 11/16" (118 mm)	—	—
3011SG	3 1/16" (75 mm)	4 11/16" (118 mm)	6 3/16" (157 mm)	3 1/8" (79 mm)

MODEL 3011BV



MODEL 3011SG



MATERIALS

Handle: Steel
 Stem: Rod Brass
 Ball: C.P. Bronze
 Body: Bronze
 Valve Seat: Virgin Teflon[®]
 Relief Valve: Bronze
 Bypass Fittings: Brass
 Bypass Tubing: Nylobraid
 Sight Glass: Bronze & Glass

APPROVALS

UL and ULC Listed:
 [EX4019(N) & EX4533(N)]
 FM Approved
 NYC-BSA No. 720-87-SM



FROM THE NFPA 13 2007 EDITION

Models 3011BV, 3011SG, 3011A, & 3011ASG, depending on the variant chosen, provide some or all of the requirements listed below:

- Chapter 8.16.2.4.1* Provisions shall be made to properly drain all parts of the system.
- Chapter 8.16.2.4.2 Drain connections, Interior sectional or floor control valve(s) – shall be provided with a drain connection
- & 8.16.2.4.3 having a minimum size as shown in Table 8.16.2.4.2.
- Chapter 8.16.2.4.4 Drains shall discharge outside or to a drain capable of handling the flow of the drain.
- Chapter 8.16.2.4.6 The test connection shall be permitted to be used as main drain connection.
- Chapter A.8.17.4.2 (Wet Pipe System) test connection is permitted to terminate into a drain capable of accepting full flow ... using an approved sight test connection containing a smooth bore corrosion-resistant orifice giving a flow equivalent to one sprinkler... (M3011SG and M3011ASG only)
- Chapter 8.17.4.2.2 The test connection valve shall be readily accessible
- Chapter 8.17.4.2.4 shall be permitted to be installed in any location ...downstream of the waterflow alarm.
- Chapter 7.1.2 - a gridded wet pipe system shall be provided with a relief valve set to operate at 175 PSI or 10 PSI in excess of the maximum system pressure, whichever is greater.
- Chapter 8.16.1.2.3* A relief valve of not less than 1/2" in size shall be provided on the discharge side of the pressure-reducing valve set to operate at a pressure not exceeding 175 psi.
- Chapter A8.16.1.2.3 - consideration should be given to piping the discharge from the (pressure relief) valve
- Chapter 8.17.4.3.1 (Dry Pipe System) a trip test connection not less than 1" in diameter, terminating in a smooth bore corrosion-resistant orifice, to provide a flow equivalent to one sprinkler...
- Chapter 8.17.4.3.2 The trip test connection...with a shutoff valve and plug not less than 1", at least one of which shall be brass.

USA Patent # 4971109 and Other Patents Pending



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Job Name: _____
 Architect: _____
 Engineer: _____
 Contractor: _____